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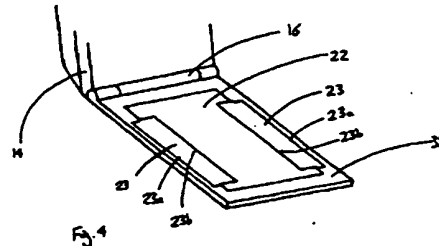
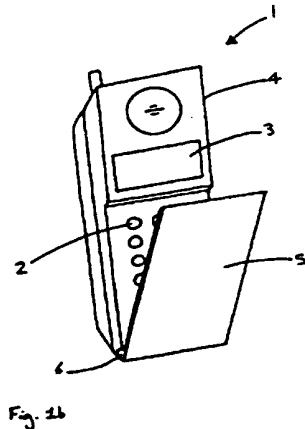
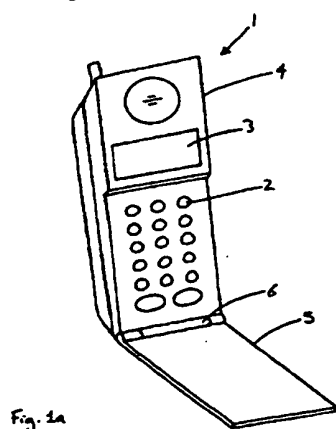
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(54) Abstract Title
A mobile telephone with a cover flap for displaying user information

(57) A portable telephone has a microphone, a keypad 2, an electronic display screen 3, radiowave transmitting and receiving means and a housing comprising a cover flap 5 for reflecting speech towards the microphone. The cover flap incorporates an information surface 22 i.e. can have information presented upon it such as function commands or key sequences in case the operating manual is not at hand. The information may be printed directly onto the cover flap, a sticker may be applied to the flap (fig 2). Information cards, credit cards or a book may be fastened to the flap (fig.3,4 and 5). The cover flap may contain a sliding drawer upon which the information is mounted (fig.7). Another hinged flap may cover a recess containing the information card (fig.6).



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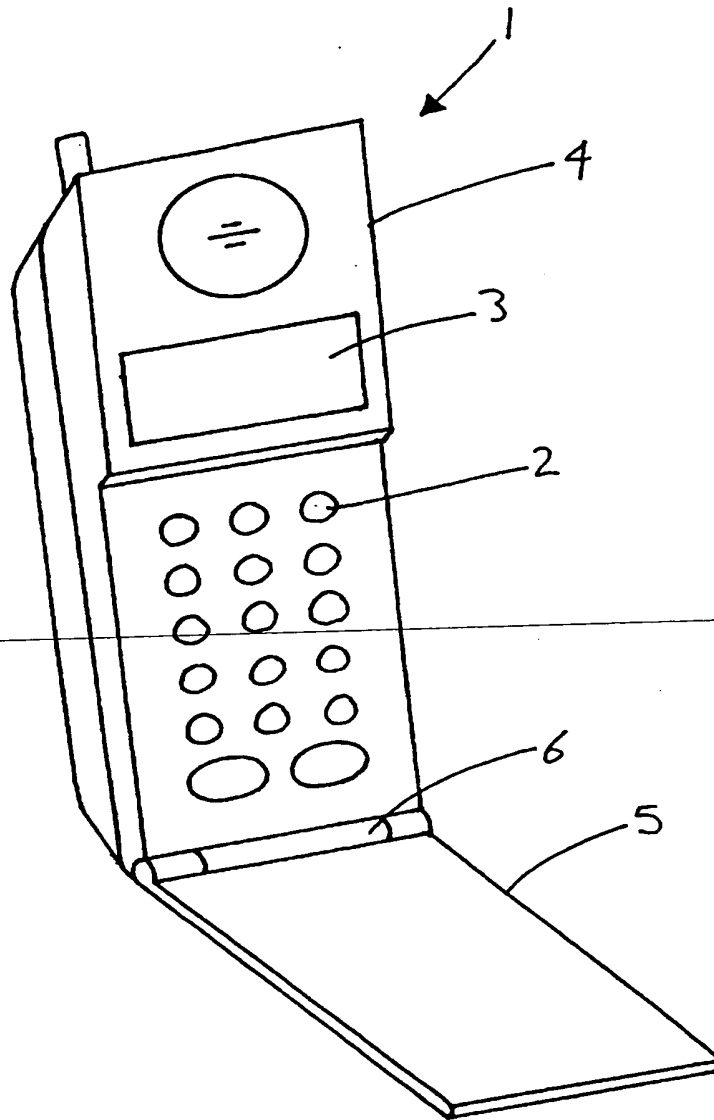


Fig. 1a

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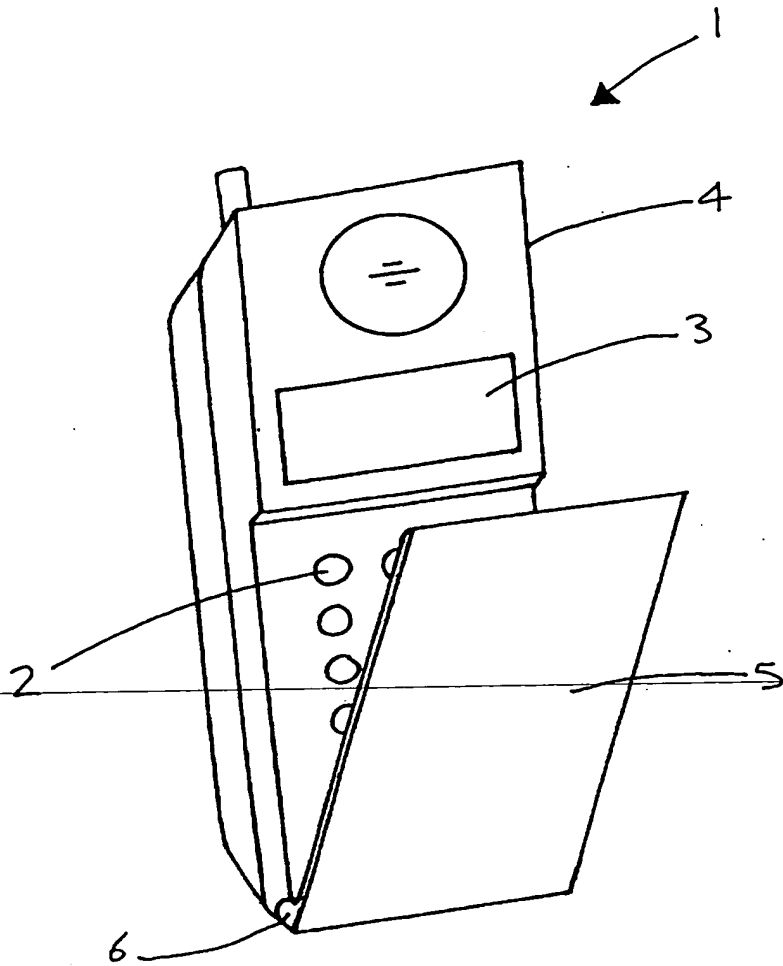


Fig. 1b

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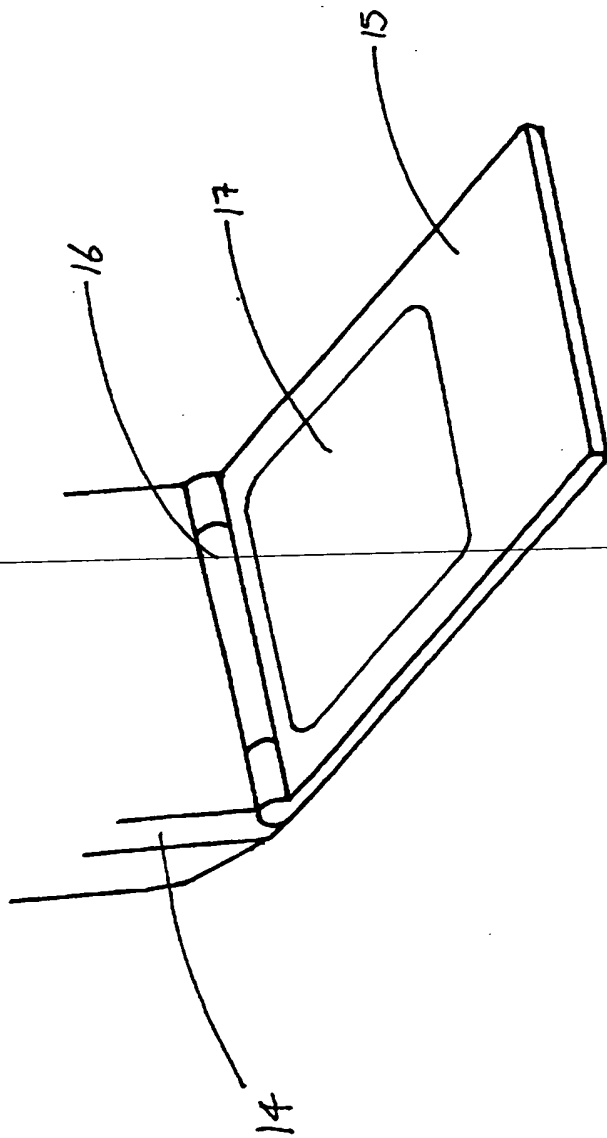


Fig 2a

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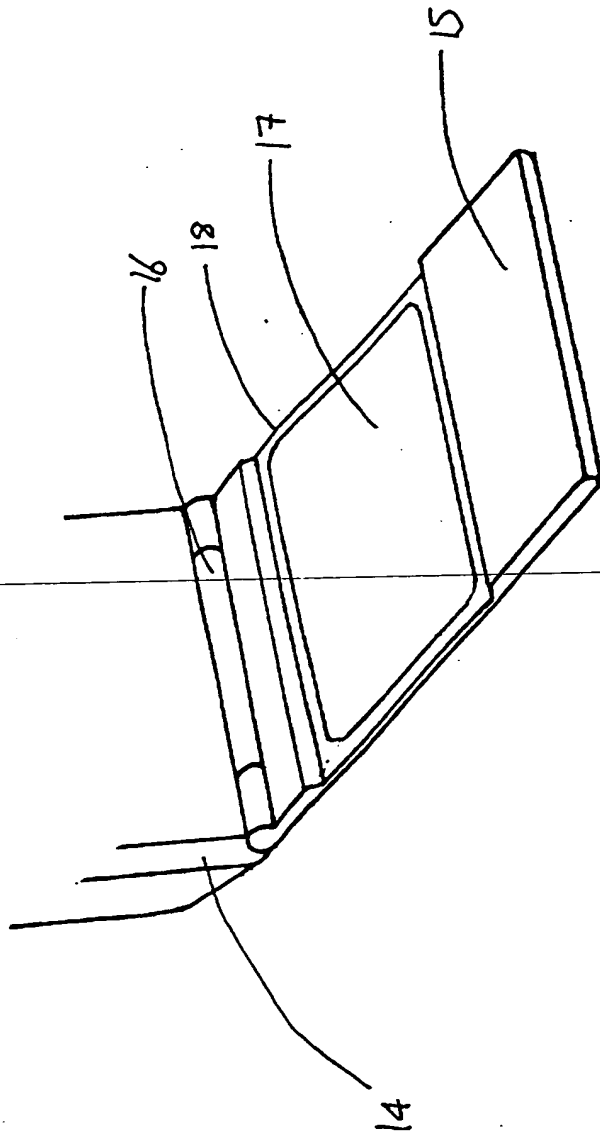


Fig 2b

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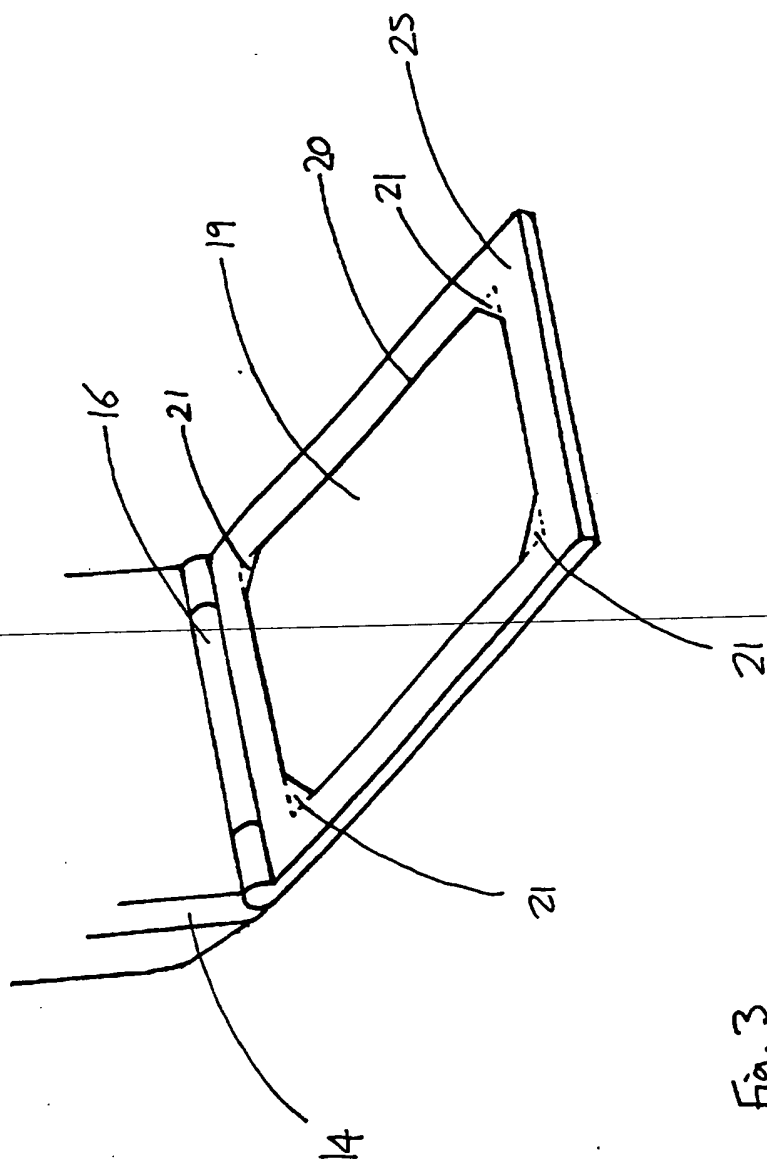


Fig. 3

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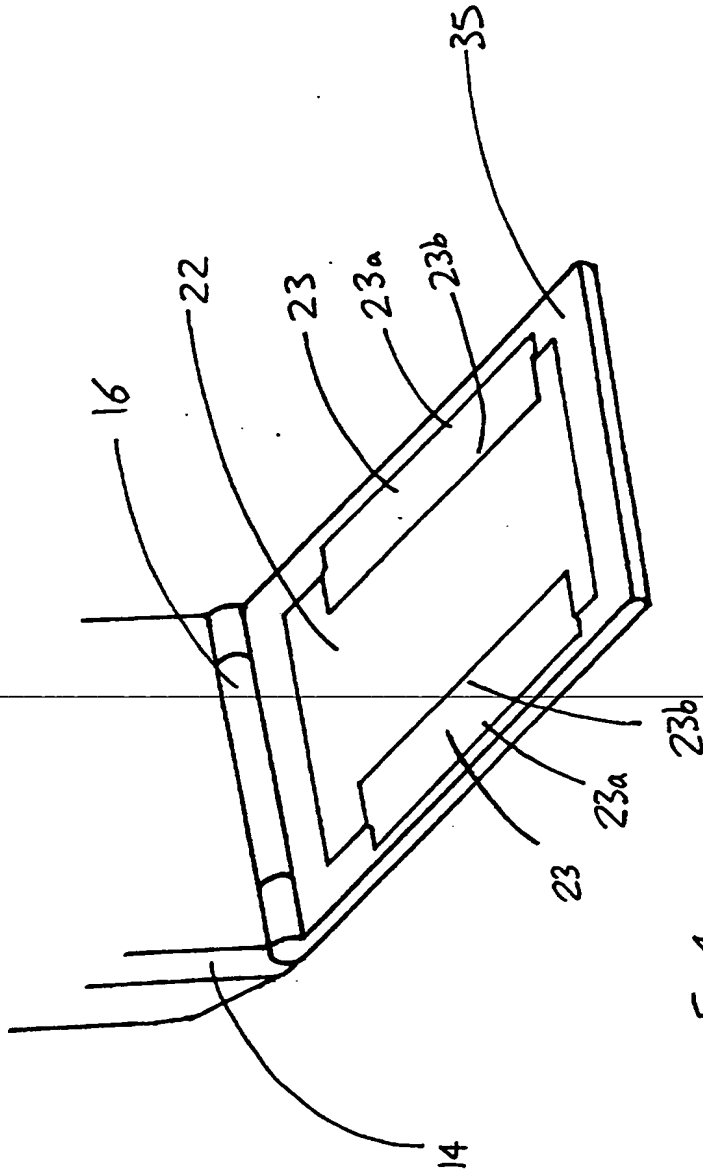


Fig. 4

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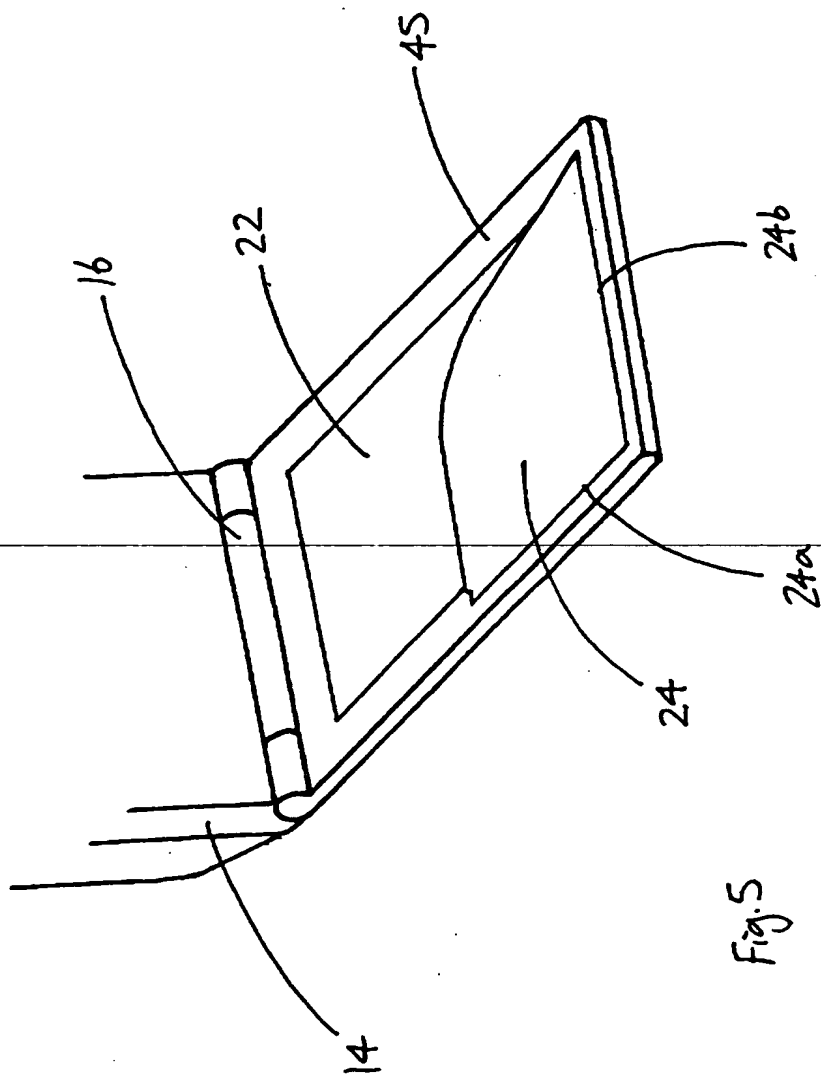


Fig. 5

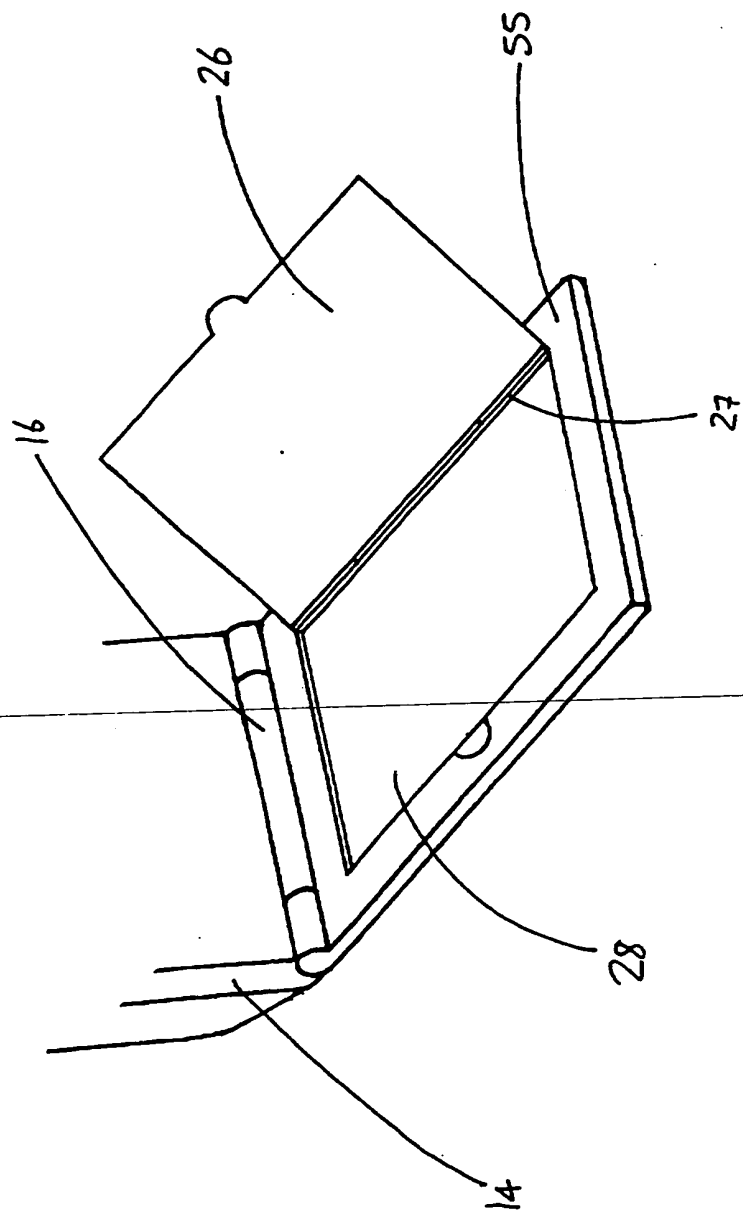


Fig. 6.

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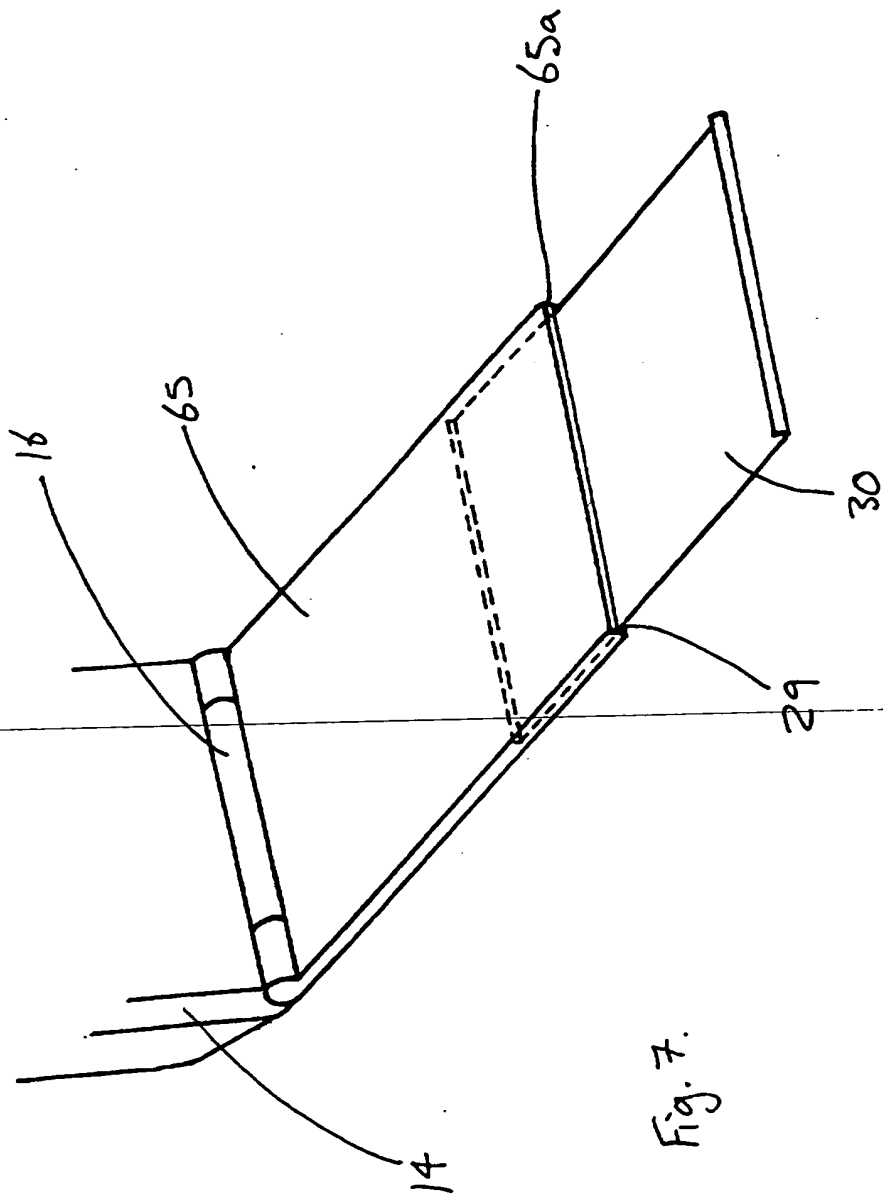


Fig. 7.

A Mobile Telephone

- 5 The present invention relates to a mobile telephone of the type comprising a hinged or sliding flap.

Currently available mobile telephones are operable by means of a keypad and electronic display, which together allow a user to use the telephone to
10 make and receive telephone calls, and to access any other available features of the telephone unit and optional features of the telephone network.

Telephone calls are made by using the keypad to input the required number, and a further key sequence 'sends' the call. Other key sequences allow all
the other features of the mobile telephone to be accessed, and the electronic

- 15 display provides a visual means to show the status of the telephone with respect to telephone calls in progress, mobile telephone settings and selected and deselected features. The visual display also shows inputted key sequences and may provide prompt messages for a response by the user.

20

Furthermore, currently available mobile telephones are equipped with an electronic menu system, accessed by means of a key sequence and visualised by means of the electronic display, via which the various features of a mobile telephone are accessed, set and used. Such electronic menu

- 25 systems allow a user to input, store and access information, for example to create a personalised electronic telephone directory, to alter the mobile telephone settings, for example to change such features as ring volume and

ring sound, and to select or deselect various optional features such as call waiting and diversions to answering services.

Such electronic menu systems often cover a very large range of features, and this range of features is continuously expanding as technology develops, enabling successively larger numbers of new features to be incorporated into new models of mobile telephones. Electronic menu systems on mobile telephones are therefore usually very complex. Most menu systems are arranged as a 'tree-like' system, with a main menu which incorporates a number of main options, each main option, when selected by a user, leading to a number of further options, and each further option leading to subsequent options and so on. At the very end of each 'branch' of the system a feature may be selected or deselected, or information displayed or inputted.

When a user purchases such a mobile telephone, the user is usually provided with an operating manual, which gives information on the telephone and its various features, and also gives descriptions of how to use the telephone to make and receive telephone calls, and the key sequences for adjusting and programming the various functions of the telephone to the required settings, and locating, selecting and using the various features of the telephone.

Usually, the first time a user operates their mobile telephone, it is likely that they will use the operating manual, and will endeavour to memorise the various key sequences, in order to be able to use their mobile telephone without the aid of the operating manual, since the operating manual is often a large heavy book which is not intended to be carried about with the

mobile telephone. A user may similarly endeavour to make a 'mental map' of the electronic menu system in order to locate the positions of the various features within the menu and hence work out the key sequences to locate and select or deselect these various features. However, due to the complexity of the electronic menu systems and the complexity and number of the various key sequences of modern mobile telephones, when using such a mobile telephone for the first few times when the operating manual is not at hand, a user often forgets how to use the mobile telephone, may become confused as to the functions of the various keys, and may input key sequences incorrectly. This is frustrating for the user, wastes time for the user and results in the user not taking advantage of the full range of features of their mobile telephone. Furthermore this may also result in the incorrect inputting of information and storage of inaccurate information. Eventually a user usually learns the various key sequences, and the locations of the various features within the electronic menu system, but sometimes a user finds it very difficult to remember such information, even after using their mobile telephone many times.

Furthermore, a mobile telephone user often requires other information to be close at hand such as telephone numbers of information services, emergency services or other important telephone numbers or other information. However, due to the mobile nature of a mobile telephone, such information is usually not to hand during use of the mobile telephone by a user. This problem usually does not occur with conventional telephones connected to fixed land lines, because the telephone is generally located in a specific place, and any required information may be kept nearby. However, for the required information to be at hand for a mobile telephone user would necessitate the user of a mobile telephone carrying the

information around with them. It is likely that the user would lose the information or not be able to locate it quickly while a call is in progress, or the user may not remember or may neglect to take the information with them in the first place, particularly if the information is general information which may be useful only in certain circumstances and is unlikely to be used for every call.

An objective of the present invention is to provide a mobile telephone with an easily accessible information surface.

10

According to the present invention there is provided a mobile telephone, said mobile telephone comprising a microphone, a keypad, an electronic display screen, radiowave transmitting and receiving means, and a housing, ~~said housing comprising an outer shell and a cover flap for directing speech~~

15 towards the microphone, said cover flap being attached to said outer shell by cover flap attachment means, characterised in that said cover flap incorporates an information surface, said information surface containing information thereon or permitting information to be placed thereon.

20 Said cover flap may be a hinged cover flap or said cover flap may be a sliding cover flap, or any other type of cover flap.

Said cover flap may be attached to said outer shell by means of a hinge, or said cover flap may be attached to said outer shell by any other suitable attachment means.

25

Said information surface may be an integral part of said cover flap, or said information surface may be an attachable or releasably attachable

information surface. Preferably said cover flap or said information surface is provided with information surface attaching means in order for said attachable or releasably attachable information surface to be attached to said cover flap thereby.

5

Preferably, said information surface is an attachable sticker or a releasably attachable sticker, and preferably said information surface attaching means is an adhesive. Said cover flap may have a relief or recessed area to accommodate said sticker, onto which said sticker is attachable. Preferably,
10 said attachable sticker is intended to be maintained on the cover flap for the duration of the lifetime of the mobile telephone. Said sticker is preferably sufficiently durable to be maintained in good condition for the duration of the lifetime of the mobile telephone, and said sticker is preferably made
waterproof by being made of a waterproof material such as plastic or being
15 made of any suitable material and incorporating a waterproof surface coating such as a plasticised surface coating. Preferably, said adhesive forms a suitably durable bond to the cover flap to maintain the sticker in position for the duration of the lifetime of the mobile telephone. Preferably, said releasably attachable sticker is removable by the user if this is desired
20 by the user.

Preferably said information surface is a card made of any suitable material such as cardboard or plastic or a laminated material, and preferably said information surface attaching means is a card slot or a snap-fit attaching
25 means or a resilient attaching means or a card holding means of any suitable type. Preferably said card is waterproof. A number of interchangeable cards may be provided, and more than one card may be attached to said cover flap simultaneously.

Preferably said information surface is a credit card, and preferably said information surface attaching means is a resilient attaching means. Preferably said resilient attaching means is made of rubber or a rubberised plastic such as Santoprene or Neoprene, or any suitable resilient material in whole or part.

Said information surface may comprise a booklet. Said information surface attaching means may comprise an adhesive substance which functions to secure a back page or back cover of said booklet to said cover flap. Alternatively, said information surface attaching means may comprise a slot or booklet holding means of any suitable type. Said booklet may also include a waterproof wallet, said booklet being contained therein, or said booklet may be made from a waterproof material or coated with a waterproof material.

Said cover flap may comprise a flap section thereon, and said flap section may be permanently attached to said cover flap by any suitable attaching means such as at least one hinge, or said flap section may be releasably attachable to said cover flap by any suitable means, such as a snap-fit mechanism or a sliding attachment mechanism in conjunction with a snap-fit mechanism. Preferably, said flap section is releasably closeable, by means of any suitable releasable closing means such as a spring release mechanism. There may be a recess under said flap section. Preferably, said information surface is attachable to or under, or containable under said flap section. Alternatively, said flap section may comprise said information surface, said information being applied to said flap section by any suitable

means such as any suitable printing means. Preferably said information is applied to an underside of said flap section.

Said cover flap may be partly or completely hollow and open at one end forming a slot, and said cover flap may comprise a permanently attached or
5 releasably attachable drawer, said drawer being slidable within said slot by a user, between an open position, in which said drawer is substantially outside of said slot, and a closed position, in which said drawer is substantially inside said slot. Said drawer may be openable by means of a
10 spring release mechanism. Said drawer is preferably said information surface, said information being applied to said drawer by any suitable means such as any suitable printing means. Preferably, when said drawer is in said open position, said information is visible to a user, and when said
~~drawer is in said closed position, said information is not visible to a user.~~

15 Said cover flap may be open at more than one end forming more than one slot, and more than one drawer may be provided.

Alternatively, said information surface may be any area of any surface of said cover flap, and said information may be applied to said cover flap by
20 any suitable means, such as any suitable printing means.

The present invention will now be described, by example only, with reference to the following drawings, of which:

25 figure 1a shows a perspective view of a conventional mobile telephone of the type incorporating a hinged cover flap, with the cover flap open, as an example of the prior art,

figure 1b shows a perspective view of the conventional mobile telephone of figure 1a, with the cover flap semi-closed over the keypad, as an example of the prior art,

5 figure 2a shows a perspective view of a first preferred embodiment of a cover flap of a mobile telephone according to the present invention,

figure 2b shows a perspective view of a second preferred embodiment of a cover flap of a mobile telephone according to the present invention,

10

figure 3 shows a perspective view of a third preferred embodiment of a cover flap of a mobile telephone according to the present invention,

15 figure 4 shows a perspective view of a fourth preferred embodiment of a cover flap of a mobile telephone according to the present invention,

figure 5 shows a perspective view of a fifth preferred embodiment of a cover flap of a mobile telephone according to the present invention,

20 figure 6 shows a perspective view of a sixth preferred embodiment of a cover flap of a mobile telephone according to the present invention,

Referring to figures 1a and 1b, these show perspective views of a conventional mobile telephone 1 comprising a keypad 2, an electronic display 3, radiowave transmitting and receiving equipment (not visible), and a housing, said housing comprising an outer shell 4 and a cover flap 5, said cover flap 5 being attached to said outer shell 4 by means of a hinge 6. The mobile telephone 1 is operated by means of the keypad 2 and electronic

display 3, and is equipped with an electronic menu system, via which the various features of the mobile telephone 1 are set and used. The electronic menu system is accessed by means of key sequences and visualised by means of the electronic display 3. Such a conventional mobile telephone 1
5 is supplied with an operating manual containing usage instructions, said operating manual being separate and distinct from the mobile telephone 1, and not being intended to be carried around with the mobile telephone 1.

In the preferred embodiments of a mobile telephone according to the
10 present invention, the mobile telephone comprises a keypad, an electronic display, radiowave transmitting and receiving equipment, and a housing, said housing comprising an outer shell and a cover flap, said cover flap being attached to said outer shell by cover flap attachment means. The cover flap incorporates an information surface, said information surface
15 containing information thereon or permitting information to be placed thereon.

It is envisaged that said information surface comprises information such as key sequences for using the mobile telephone, important or useful telephone
20 numbers, emergency telephone numbers and/or numbers of information services. Said information surface may also or alternatively permit a user to insert information of the user's choice. In particular, the information surface may comprise a written or diagrammatic 'menu map' which indicates where the various features of the mobile telephone are located
25 within the electronic menu, and thus allows a user to locate and use said features easily. Said information surface is portable with the mobile telephone, being small and compactly carried in or on the cover flap of the

mobile telephone, and thus acts as a quick reference guide for a user whilst the operating manual is not to hand.

In each of the preferred embodiments, said cover flap attachment means is a hinge 16 by means of which said cover flap is attached to said outer shell 14.

In each of the preferred embodiments in which said information surface is attachable or releasably attachable, said cover flap or said information surface is provided with information surface attaching means in order for an attachable or releasably attachable information surface to be attached to said cover flap thereby.

Figure 2a shows a first preferred embodiment of a cover flap of a mobile telephone according to the present invention. In this first preferred embodiment, said cover flap 15 is attached to said outer shell 14 by means of a hinge 16. Said information surface is an attachable sticker or a releasably attachable sticker 17, and said sticker 17 is provided with information surface attaching means (not visible), said information surface attaching means being an adhesive.

Figure 2b shows a second preferred embodiment of a cover flap of a mobile telephone according to the present invention, which is similar to the first embodiment shown in figure 2a. In this second preferred embodiment, said cover flap 15 comprises a recessed area 18 to accommodate said sticker 17, and onto which said sticker 17 is attachable. Said attachable sticker 17 is intended to be maintained on the cover flap 15 for the duration of the lifetime of the mobile telephone. The advantage of said recessed area 18 is

that the positioning of a sticker 17 in such a recessed area helps to prevent wear and tear on the sticker, and thus prolongs the life of the sticker and enhances its durability.

- 5 In the first and second preferred embodiments shown in figures 2a and 2b, said sticker 17 is sufficiently durable to be maintained in good condition for the duration of the lifetime of the mobile telephone. Said sticker 17 is made of plastic and is thus waterproof. In alternative embodiments, said sticker may be made of any other suitable material, and may be made waterproof
- 10 by means of a plasticised surface coating. Said adhesive forms a suitably durable bond to the cover flap 15 to maintain the sticker 17 in position for the duration of the lifetime of the mobile telephone. In an alternative embodiment, the sticker 17 is releasably attachable to the cover flap 15, and is removable by a user if this is desired by the user. The information on
- 15 said sticker 17 is clearly visible to a user, and is always at hand when a user is using the mobile telephone.

- Referring now to figure 3, this shows a third preferred embodiment of a cover flap of a mobile telephone according to the present invention, in
- 20 which said information surface is releasably attachable to said cover flap 25, said information surface being provided on a card 19 made of plastic. Alternative embodiments are of course possible, in which the card 19 is made of any other suitable material such as cardboard or a laminated material, or any waterproof material. Said cover flap 25 comprises
- 25 information surface attaching means, said information surface attaching means comprising a snap-fit attachment means, said snap-fit attachment means comprising a recess 20 and lips 21. The recess 20 is the same shape and size as the card 19, having four corners, at which the lips 21 are

situated. The lips 21 are positioned as 'corner pieces' and are integral with the cover flap 25. To attach said card 19 to the cover flap 25, two corners of the card 19 are placed under two lips 21, and the remaining two corners of the card 19 are snapped down under said remaining two lips 21.

- 5 Alternatively, the card 19 may be flexed by a user, the corners of the card placed in the recess 20 and the card 19 released by the user, the corners becoming entrapped under the lips 21 as the card 19 springs back under its own tension to assume its normal unflexed shape. Alternative embodiments are possible in which said lips 21 are positioned running along the sides of
10 the recess 20, or wherein no recess is provided, and said lips are formed as mouldings on the cover flap. Said lips may thus comprise a slot into which the card 19 may be inserted.

-
- In a further embodiment, a number of interchangeable cards are provided,
15 each of which displays different information, and a user determines which card 19 displays the appropriate information for the needs of the user, attaching this card to the cover flap 25. Alternatively, one or more of the cards 19 are provided with a 'write on' surface on which a user may insert any desired information. In a further embodiment, more than one card may
20 be attached to the cover flap simultaneously. In this case, said cards 19 are made thin and of a light material in order to reduce weight and bulkiness so that more than one card 19 may be carried attached to the cover flap 25.

- In a further embodiment of the information surface attaching means, similar
25 to the third preferred embodiment described above and shown in figure 3, said lips are made of rubberised plastic or another resilient material to resiliently retain the card.

In a further embodiment said information surface is provided on a credit card or a charge card. Said credit or charge card is thus stored on the cover flap of the mobile telephone which is advantageous to the user because the credit card or charge card is maintained in a secure and yet easily accessible location. Said credit card or charge card may be used in relation to the previously described embodiment of the information surface attaching means. Said credit card or charge card is flexed as described above in relation to the third preferred embodiment, in order to insert said credit card into said recess, and the high co-efficient of friction of the material of the lips maintains the credit card securely in position, and prevents the credit card from sliding around in the recess. The credit card is also easy to remove from the recess, because of the flexibility of the lips. Variations on this embodiment are possible, such as wherein the credit card is any other card such as the card 19 from figure 3 or any of the previously described variations on the embodiment of figure 3.

Referring now to figure 4, this shows a fourth preferred embodiment of a cover flap of a mobile telephone according to the present invention, in which said information surface is releasably attachable to said cover flap 35, said information surface being a credit card 22. Said cover flap 35 comprises information surface attaching means, said information surface attaching means comprising resilient lips 23 made of rubberised plastic. In this fourth preferred embodiment, two lips 23 are provided, but in alternative embodiments any number of lips 23 may be provided. Said lips 23 lie flat against said cover flap 35, each lip 23 having an outer edge 23a which is permanently attached to the cover flap 35 by any suitable attaching means, and a free inner edge 23b which is not attached to the cover flap. A credit card 22 is slidable under the free edges 23b of the lips 23 by a user,

and said lips 23 maintain said credit card 22 in position due to the high co-efficient of friction of the material of said lips 23.

In a fifth preferred embodiment of a cover flap of a mobile telephone according to the present invention, illustrated in figure 5, said information surface is provided on a credit card 22 as in the embodiment of figure 4, and the information surface attaching means is permanently attached to said cover flap 45 and comprises a pocket 24 made of rubberised plastic. The pocket 24 of the present embodiment is attached to the cover flap 45 along two outermost edges 24a, 24b, although in alternative embodiments more than two edges could be attached to said cover flap 45, or even a single edge could be attached to said cover flap 45 if the material of the pocket 24 had a high enough co-efficient of friction in order to grip the credit card 22 sufficiently to maintain it in attachment to the cover flap 45.

15

In a sixth preferred embodiment of a cover flap of a mobile telephone according to the present invention, (not illustrated), said information surface comprises an attachable booklet, and said information surface attaching means comprising an adhesive which functions to secure a back page or back cover of said booklet to said cover flap.

20

In a seventh preferred embodiment of a cover flap of a mobile telephone according to the present invention, said information surface comprises a releasably attachable booklet, and said information surface attaching means comprises a recess and lips as described in relation to the embodiment shown in figure 3. Alternative embodiments are possible in which said information surface attaching means comprises any previously described information surface attaching means. In an further embodiment, said

25

booklet is supplied with a waterproof sleeve, said booklet being contained therein, in order to make said booklet weatherproof.

- Referring now to figure 6, this shows an eighth preferred embodiment of a
- 5 cover flap of a mobile telephone according to the present invention, wherein said cover flap 55 comprises said information surface attaching means, said information surface attaching means comprising a flap section 26 on said cover flap 55, with a flap recess 28 provided thereunder. Said flap section 26 is attached to said cover flap 55 by means of a hinge 27. In alternative
- 10 embodiments, said flap section 26 may be releasably attachable to said cover flap 55 by a snap-fit mechanism or a sliding attachment mechanism in conjunction with a snap-fit mechanism, or by any other suitable means. In the present embodiment, said flap section 26 is releasably closeable, by means of a spring release mechanism. Said information surface (not shown)
- 15 may comprise any previously described information surface, and said information surface is containable in said flap recess 28, said flap section 26 being closed by a user in order to maintain said information surface within said flap recess 28.
- 20 Said information surface may alternatively be attachable within said flap recess 28 or to said flap section 26 by means of an adhesive. Alternatively, said flap section 26 may comprise said information surface, information being applied directly to said flap section by any suitable printing means.
- 25 In a ninth preferred embodiment of a cover flap of a mobile telephone according to the present invention, said cover flap 65 is partly hollow and open a non-hinged end 65a, forming a slot 29. Said cover flap comprises a permanently attached drawer 30, said drawer 30 comprising said

information surface, said drawer 30 being slidable within said slot 29 by a user, between an open position, in which said drawer 30 is substantially outside of said slot 29, and a closed position, in which said drawer 30 is substantially inside said slot 29. Said drawer 30 is openable by means of a spring release mechanism (not shown). Information is applied to said drawer 30 by any suitable printing means. When said drawer 30 is in said open position, said information is visible to a user, and when said drawer 30 is in said closed position, said information is not visible to a user. In an alternative embodiment, an information surface incorporating an adhesive is attachable to said drawer 30, such as the sticker of figures 2a and 2b, or a booklet incorporating an adhesive-coated back cover or back page. Alternatively, an information surface such as a card or credit card or set of cards as previously described with reference to figures 3 to 5 may be containable within said drawer without the requirement for an adhesive.

Variations on these embodiments are possible in which said cover flap 65 is open at more than one end, forming more than one slot 29, and more than one drawer 30 may be provided.

In a tenth preferred embodiment of a cover flap of a mobile telephone according to the present invention, said information surface is any area of any surface of said cover flap, and said information is applied to said cover flap by any suitable printing means.

It will be understood to a reader that many variations on the above described embodiments are possible within the scope of the present invention. In particular, any of the previously described embodiments are possible wherein said cover flap comprises a sliding cover flap. In this case, said information surface may be positioned on a lower surface of said

sliding cover flap or on an upper surface of said sliding cover flap. Any of the previously described embodiments are also possible wherein said cover flap is removable by a user, said cover flap being a hinged cover flap or a sliding cover flap or any other type of cover flap. In such embodiments, the
5 user may remove said cover flap and use said information surface whilst a telephone call is in progress, the advantage being that the user would not therefore need to interrupt a telephone conversation in order to refer to the information positioned on said cover flap of said mobile telephone.

Claims

1. According to the present invention there is provided a mobile
5 telephone, said mobile telephone comprising a microphone, a keypad, an
electronic display screen, radiowave transmitting and receiving means, and
a housing, said housing comprising an outer shell and a cover flap for
reflecting speech towards the microphone, said cover flap being attached to
said outer shell by cover flap attachment means, characterised in that said
10 cover flap incorporates an information surface, said information surface
containing information thereon or permitting information to be placed
thereon.
2. A mobile telephone according to claim 1, characterised in that said
15 cover flap is a hinged cover flap, attached to said outer shell by means of at
least one hinge.
3. A mobile telephone according to claim 1, characterised in that said
cover flap is a sliding cover flap.
20
4. A mobile telephone according to claim 1, characterised in that said
information surface is an integral part of said cover flap, said information
surface comprising an area of a surface of said cover flap, said information
being applied to said cover flap by any suitable means, such as by printing.
25
5. A mobile telephone according to claim 1, characterised in that said
information surface is provided on a permanently or releasably attachable
information carrier, said information carrier being permanently or

releasably attachable to said cover flap by information carrier attaching means.

6. A mobile telephone according to claims 5, characterised in that said
5 information carrier attaching means is provided on the cover flap.

7. A mobile telephone according to claim 5, characterised in that said
information carrier attaching means is provided on the information carrier.

10 8. A mobile telephone according to claim 5, characterised in that said
information carrier is a permanently attachable sticker.

9. A mobile telephone according to claim 5, characterised in that said
~~information carrier is a releasably attachable sticker.~~

15

10. A mobile telephone according to any of claims 6 to 9, characterised
in that said information carrier attaching means is an adhesive.

11. A mobile telephone according to claims 8 or 9, characterised in that
20 said cover flap has a relief or recessed area to accommodate said sticker,
onto which said sticker is attachable.

12. A mobile telephone according to claims 8 or 9, characterised in that
said sticker is made waterproof, such as by being made of a waterproof
25 material such as plastic, or by being made of any suitable material and
incorporating a waterproof surface coating such as a plasticised surface
coating.

13. A mobile telephone according to claim 5, characterised in that said information carrier is a releasably attachable card made of any suitable material such as cardboard or plastic or a laminated material, or a waterproof material, or a waterproof-coated material.

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14. A mobile telephone according to claim 6, characterised in that said information carrier attaching means is a card slot.

15. A mobile telephone according to claim 6, characterised in that said
10 information carrier attaching means is a snap-fit attaching means.

16. A mobile telephone according to claim 6, characterised in that said information carrier attaching means is a resilient attaching means made of
rubber or a rubberised plastic such as Santoprene or Neoprene, or any
15 suitable resilient material in whole or part.

17. A mobile telephone according to claim 13, characterised in that a number of interchangeable cards are provided.

20 18. A mobile telephone according to claim 17, characterised in that more than one card may be attached to said cover flap simultaneously.

19. A mobile telephone according to claim 13, characterised in that said information carrier is a credit card.

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20. A mobile telephone according to claims 5 or 10, characterised in that said information carrier comprises a permanently or releasably attachable booklet.

21. A mobile telephone according to claim 20, characterised in that said booklet includes a waterproof wallet, said booklet being contained therein.
- 5 22. A mobile telephone according to claim 22, characterised in that said booklet is made from a waterproof material or coated with a waterproof material.
23. A mobile telephone according to any of claims 1 to 3, characterised
10 in that said cover flap comprises a flap section thereon.
24. A mobile telephone according to claim 23, characterised in that said flap section is permanently attached to said cover flap by any suitable
attaching means such as at least one hinge.
- 15 25. A mobile telephone according to claim 23, characterised in that said flap section is releasably attachable to said cover flap.
26. A mobile telephone according to any of claims 23 to 25,
20 characterised in that said flap section is releasably closeable, by means of any suitable releasable closing means such as a spring release mechanism.
27. A mobile telephone according to any of claims 23 to 26,
characterised in that said there is a recess under said flap section.
- 25 28. A mobile telephone according to any of claims 23 to 27,
characterised in that said information carrier is attachable to or under, or containable under said flap section.

29. A mobile telephone according to any of claims 23 to 26,
characterised in that said flap section comprises said information carrier,
said information being applied to said flap section by any suitable means
5 such as any suitable printing means.

30. A mobile telephone according to any of claims 1 to 5, characterised
in that said cover flap is partly or completely hollow and open at at least
one end forming a slot, said cover flap comprising at least one drawer, said
10 drawer being slidable within said slot by a user, between an open position,
in which said drawer is substantially outside of said slot, and a closed
position, in which said drawer is substantially inside said slot, said drawer
being permanently or releasably attachable to said cover flap.

15 31. A mobile telephone according to claim 30, characterised in that said
drawer is openable by means of a spring release mechanism.

32. A mobile telephone according to claim 30, characterised in that said
drawer comprises said information carrier, said information being applied to
20 said drawer by any suitable means such as any suitable printing means.

33. A mobile telephone according to claim 30, characterised in that when
said drawer is in said open position, said information is visible to a user,
and when said drawer is in said closed position, said information is not
25 visible to a user.

34. A mobile telephone according to claim 30, characterised in that said cover flap is open at more than one end forming more than one slot, and more than one drawer is provided.

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Amendments to the claims have been filed as follows

Claims

1. A mobile telephone comprising a microphone, a keypad, an electronic display screen, radiowave transmitting and receiving means, and
5 a housing, said housing comprising an outer shell and a cover flap for reflecting speech towards the microphone, said cover flap being attached to said outer shell by cover flap attachment means, wherein the cover flap incorporates an information surface, containing information thereon or permitting information to be placed thereon, characterised in that the
10 information carrier is permanently or releasably attachable to said cover flap by information carrier attaching means, and that the information carrier attaching means is an adhesive.

2. A mobile telephone according to claim 1, characterised in that said
15 cover flap is a hinged cover flap, attached to said outer shell by means of at least one hinge.

3. A mobile telephone according to claim 1, characterised in that said cover flap is a sliding cover flap.

20 4. A mobile telephone according to claim 1, characterised in that said information carrier is a permanently attachable sticker.

5. A mobile telephone according to claim 1, characterised in that said
25 information carrier is a releasably attachable sticker.

6. A mobile telephone according to claims 4 or 5, characterised in that said cover flap has a relief or recessed area to accommodate said sticker, onto which said sticker is attachable.

5 7. A mobile telephone according to claims 4 or 5, characterised in that said sticker is made waterproof, such as by being made of a waterproof material such as plastic, or by being made of any suitable material and incorporating a waterproof surface coating such as a plasticised surface coating.

10

8. A mobile telephone according to claim 1, characterised in that said information carrier attaching means is a card slot.

9. A mobile telephone according to claim 1, characterised in that said
15 information carrier attaching means is a snap-fit attaching means.

10. A mobile telephone according to claim 1, characterised in that said information carrier attaching means is a resilient attaching means made of rubber or a rubberised plastic such as Santoprene or Neoprene, or any
20 suitable resilient material in whole or part.

11. A mobile telephone according to claim 8, characterised in that a number of interchangeable cards are provided.

25 12. A mobile telephone according to claim 11, characterised in that more than one card may be attached to said cover flap simultaneously.

13. A mobile telephone according to claim 8, characterised in that said information carrier is a credit card.

14. A mobile telephone according to claim 1, characterised in that said
5 information carrier comprises a permanently or releasably attachable booklet.

15. A mobile telephone according to claim 14, characterised in that said booklet includes a waterproof wallet, said booklet being contained therein.

10

16. A mobile telephone according to claim 14, characterised in that said booklet is made from a waterproof material or coated with a waterproof material.

15 17. A mobile telephone according to claim 1, characterised in that said cover flap comprises a flap section thereon.

18. A mobile telephone according to claim 17, characterised in that said flap section is permanently attached to said cover flap by any suitable
20 attaching means such as at least one hinge.

19. A mobile telephone according to claim 17, characterised in that said flap section is releasably attachable to said cover flap.

25 20. A mobile telephone according to any of claims 23 to 25, characterised in that said flap section is releasably closeable, by means of any suitable releasable closing means such as a spring release mechanism.



Application No: GB 9806326.6
Claims searched: 1-34

Examiner: Catherine Schofield
Date of search: 7 July 1998

Patents Act 1977 Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK CI (Ed.P): H4J (JK)

Int CI (Ed.6): H04M: 1/00, 1/02, 1/21; H04B: 1/38

Other: Online:- WPI, JAPIO

Documents considered to be relevant:

Category	Identity of document and relevant passage		Relevant to claims
X,Y	GB 2158328 A	(BRANDENSTEIN) - see particularly page 2, lines 48-54 and fig. 2.	X:1-5, 30,32,33 Y:5,6,13, 14,17
X,Y	EP 0689329 A1	(GRUNDIG) - see abstract and figures 1&5	X:1,3,4,5, 30,32,33 Y:5,6,13, 14,17
Y	EP 0681258 A1	(ALCATEL) - see abstract and figures 1&2	5,6,13,14, 17
A	EP 0384894 A1	(ASCOM) - see figs 3,4&5	
X	EP 0275996 A2	(SIEMENS) - see abstract and column 2, lines 13-18	1,2,4
Y	EP 0120418 A1	(SIEMENS) - see abstract and figure	1,2
A	US 5348347	(SHINK) - see whole document	
X,Y	US 5303291	(TAKAGI) - see fig. 2	X:1,2,5- 7,15 Y:5,6,13, 14,17

X Document indicating lack of novelty or inventive step
Y Document indicating lack of inventive step if combined with one or more other documents of same category.

& Member of the same patent family

A Document indicating technological background and/or state of the art.
P Document published on or after the declared priority date but before the filing date of this invention.
E Patent document published on or after, but with priority date earlier than, the filing date of this application.



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Category	Identity of document and relevant passage	Relevant to claims

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
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